1) Francisco purchased x hot dogs and y hamburgers at a baseball game. He spent a total of $10. The equation below describes the relationship between the number of hot dogs and the number of hamburgers purchased.

3x + 4y = 10

The ordered pair (2, 1) is a solution of the equation.

What does the solution (2, 1) represent?

A. Hamburgers cost 2 times as much as hot dogs.

B. Francisco purchased 2 hot dogs and 1 hamburger.

C. Hot dogs cost $2 each and hamburgers cost $1 each.

D. Francisco spent $2 on hot dogs and $1 on hamburgers.

2) Meghan is completing her chemistry and geometry homework. Each chemistry assignment has *x* problems, and each geometry assignment has *y* problems. She must complete a total of 73 problems. The equation below describes the relationship between the number of chemistry problems and the number of geometry problems.

5*x* + 2*y* = 73

The ordered pair (7, 19) is a solution of the equation. What does the solution (7, 19) represent?

A. Meghan must complete 12 more geometry assignments than chemistry assignments.

B. Each chemistry assignment contains 7 problems and each geometry assignment contains 19 problems.

C. Meghan spent 7 minutes on her chemistry homework and 19 minutes on her geometry homework.

D. Meghan must complete 7 chemistry assignments and 19 geometry assignments.

3) Nicole and Kim made a total of $33.30 selling cookies and lemonade. The equation below describes the relationship between the number of cookies sold, *x*, and the number of glasses of lemonade sold, *y*.

0.90*x* + 1.50*y* = 33.30

What do the coefficients 0.90 and 1.50 represent?

1. Nicole and Kim sold 0.90 cookies and 1.50 glasses of lemonade.
2. Nicole and Kim made $2.40 per sale.
3. Nicole and Kim made $1.50 selling cookies and $0.90 selling glasses of lemonade.
4. Nicole and Kim sold cookies for $0.90 each and glasses of lemonade for $1.50 each.

4) Josue spent a total of $12.75 at Burger King buying Whoppers and fries. The equation below describes the relationship between the number of burgers sold, x, and the number of fries sold, y.

3.99x+1.59y=12.75

What do the coefficients 3.99 and 1.59 represent?

1. Josue bought 3.99 Whoppers and 1.59 fries.
2. Josue spent $3.99 on a Whopper and $1.59 on fries
3. Josue spent $3.99 on fries and $1.59 on a whopper
4. Josue spent $12.75 for all his Whoppers.

5) Matt and Dudley are wrapping gifts. They bought *x* rolls of wrapping paper and *y* packages of ribbon. They spent a total of $11. The equation below describes the relationship between the number of rolls of wrapping paper and the number of packages of ribbon purchased.

2*x* + *y* = 11

The ordered pair (2, 7) is a solution of the equation. What does the solution (2, 7) represent?

1. Matt and Dudley purchased 2 rolls of wrapping paper and 7 packages of ribbon.
2. Matt and Dudley purchased 7 rolls of wrapping paper and 2 packages of ribbon.
3. Wrapping paper costs $2 per roll, and ribbon costs $7 per package.
4. Matt and Dudley spent $2 on wrapping paper and $7 on ribbon.

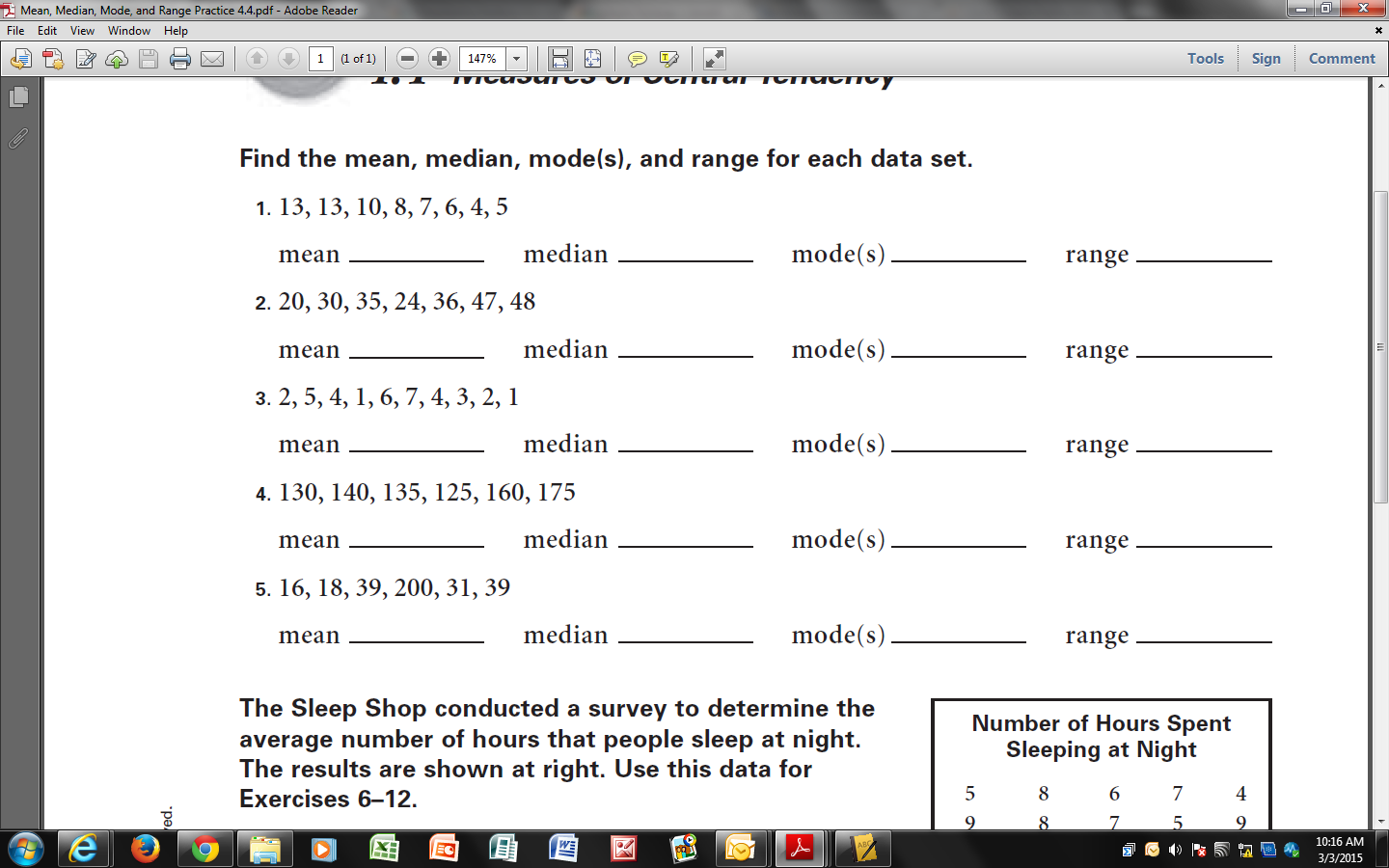
6) The football team fundraised a total of $515 selling “pink” t-shirts and pins last week. The equation below describes the relationship between the number of t-shirts sold, *x*, and the number of pins sold, *y*.

10*x* + 1.50*y* = 515

What do the coefficients 1.50 and 10 represent?

1. The team sold 10 shirts and 1.50 pins
2. The team made $1.50 per sale
3. The team sold pins for $1.50 each and shirts for $10 each.
4. The team made $10 selling per sale.

Spiral Preview:



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